

Title (en)  
VAPORIZER AND ELECTRONIC VAPORIZATION DEVICE

Title (de)  
VERDAMPFER UND ELEKTRONISCHE VERDAMPFUNGSVORRICHTUNG

Title (fr)  
VAPORISATEUR ET DISPOSITIF DE VAPORISATION ÉLECTRONIQUE

Publication  
**EP 4183279 A1 20230524 (EN)**

Application  
**EP 22206844 A 20221111**

Priority  
CN 202122856219 U 20211119

Abstract (en)  
The present disclosure relates to a vaporizer and an electronic vaporization device. The vaporizer includes a liquid storage housing, a liquid storage member disposed in the liquid storage housing, a vent tube passing through the liquid storage member, and an end cap covering an end of the liquid storage housing. The vaporizer further includes an air-pressure balance channel communicating the liquid storage member with the outside. When the ambient temperature rises, the expanded air by heating inside the vaporizer may be discharged outside the vaporizer through the air-pressure balance channel, which avoids excessive squeezing of the vaporization liquid, thereby resolving the problem of liquid leakage in a high-temperature state.

IPC 8 full level  
**A24F 40/485** (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP US)  
**A24F 40/10** (2020.01 - EP US); **A24F 40/42** (2020.01 - US); **A24F 40/485** (2020.01 - EP US)

Citation (search report)

- [XAYI] US 2016029700 A1 20160204 - LI YONGHAI [CN], et al
- [XAI] US 2018289066 A1 20181011 - MO LI-PANG [TW], et al
- [Y] US 2016073694 A1 20160317 - LIU QIUMING [CN]
- [A] CN 214179125 U 20210914 - SHENZHEN SMOORE TECHNOLOGY LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4183279 A1 20230524**; CN 217184809 U 20220816; US 2023157367 A1 20230525

DOCDB simple family (application)  
**EP 22206844 A 20221111**; CN 202122856219 U 20211119; US 202217987174 A 20221115